

## Mitutoyo Mini Micro Heads

### Series 148

The smallest micro-heads available from Mitutoyo. They are usually built into tools and instruments to enable the fine adjustment of small linear distances. Measuring face hardened. Without ratchet stop.

**Graduations:** 0.01mm (.001").

**Accuracy:** ±5µm.



Product Number	Range	Graduation	Face Dial	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
148-201	6.5mm	0.01mm	3.5mm		-2000A	£33.60	£29.57
148-202	0.25"	0.001"	0.138"		-2001B	£33.60	£29.57

### Micrometer Heads

#### Series 148

Standard end, spherical end and reverse reading.

**Accuracy:**

Metric: ±2µm

Inch: ±0.0001".



#### Metric - Graduation: 0.01mm

Product Number	Type	Range	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
148-104	Standard End	13mm	35g	-1980A	£34.30	£30.18
148-503		13mm	40g	-2017W	£35.20	£30.98
148-504		13mm	40g	-2018X	£40.90	£35.99
148-853	Spherical End	13mm	40g	-2042C	£37.00	£32.56
148-854		13mm	40g	-2043D	£42.40	£37.31
148-863	Reverse Reading	13mm	40g	-2048C	£44.10	£38.81

#### Inch - Graduation: 0.001"

Product Number	Type	Range	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
148-112	Standard End	0.5"	35g	-1985H	£34.30	£30.18
148-501		0.5"	40g	-2015T	£35.20	£30.98
148-851	End	0.5"	40g	-2040A	£37.00	£32.56
148-852		0.5"	40g	-2041B	£42.40	£37.31

### Micrometer Heads

#### Series 149

Spindle diameter: 6.35mm - tungsten carbide tipped.  
 Spindle housing diameter: 9.5mm.  
 Spindle pitch: 1mm/.025mm.  
 Main body diameter: 15mm.  
 Overall length: 75.5mm.

**Accuracy:** Metric: ±2µm. Inch: ±0.001".

#### Standard Type



Product Number	Range	Graduation	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
149-131	15mm	0.01mm	55g	-2090A	£37.00	£32.56
149-182	0.5" <sup>(1)</sup>	0.001"	55g	-2150A	£37.00	£32.56

<sup>(1)</sup> Supplied with spindle lock and stem clamp

#### Spherical Spindle Type



Product Number	Range	Graduation	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
149-802	13mm	0.01mm	55g	-2171B	£38.30	£33.70

### Micrometer Heads

#### Series 150

Spindle diameter: 6.35mm - tungsten carbide tipped.  
 Spindle housing diameter: 10mm.  
 Spindle pitch: 1mm/.025mm.  
 Main body diameter: 18mm.  
 Overall length: 109mm.

**Accuracy (full scale):** Metric: ±2µm. Imperial: ±0.0001".



#### Metric

Product Number	Range	Graduation	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
150-190	25mm	0.001mm	90g	-2200A	£48.50	£42.68
150-191	25mm <sup>(4)</sup>	0.01mm	90g	-2201B	£33.00	£29.04
150-192	25mm	0.01mm	90g	-2202C	£33.00	£29.04
150-801	25mm	0.01mm	90g	-2250A	£33.60	£29.57

#### Series 151

Spindle diameter: 8mm - tungsten carbide tipped.  
 Spindle housing diameter: 12mm.  
 Spindle pitch: 1mm/.025mm.  
 Main body diameter: 21mm.  
 Overall length - 25mm Range: 133mm.  
 - 50mm Range: 191mm.

**Accuracy:**  
 - 25mm Range: ±2µm.  
 - 50mm Range: ±4µm.  
 - 1" Range: ±0.0001".  
 - 2" Range: ±0.0002".



#### Metric

Product Number	Range	Graduation	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
151-221	25mm <sup>(4)</sup>	0.001mm	160g	-2290A	£49.70	£43.74
151-222	25mm	0.001mm	150g	-2291B	£48.50	£42.68
151-223	25mm	0.01mm	160g	-2292C	£48.50	£42.68
151-224	25mm	0.01mm	150g	-2293D	£48.50	£42.68
151-255	50mm <sup>(4)</sup>	0.01mm	250g	-2301J	£96.10	£84.57
151-256	50mm	0.01mm	240g	-2302K	£96.10	£84.57

### Digimatic Micrometer Heads

#### Series 350

The digimatic version of 150 series. With SPC data output, presetting and zero setting (ABS/INC). Also inch/metric conversion. Power supply: battery 1x SR44 (PAN-904-5020K) supplied.



**Accuracy:**  
 Graduation: .0005"/0.001mm.  
 Instrument error: ±2µm.

<sup>(4)</sup> = complete with set nut

Product Number	Range	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
350-711-30	25mm/1"		-4270A	£157.49	£138.59
350-712-30 <sup>(4)</sup>	25mm/2"		-4271B	£160.17	£140.95

### Digimatic Micrometer Heads

#### Series 164

Rotatable face for X/Y. Designed for easy efficient reading of linear movement on X/Y stages, etc. Large LCD display. Preset. Imperial/metric conversion. Zero setting. SPC data output. On/off. Non-rotating spindle. Tungsten carbide tipped measuring faces. Accuracy: ±0.00015". Range: 0-50mm/0-2". Graduation: 0.01mm/0.00005".



Product Number	Range	Weight each	Order Code MIT-325	List Price/1	Offer Price/1
164-162	50mm/2"	500g	-2620A	£547.00	£481.36